

Appln. No. 10/065,461
Docket No. 126800/GEN-0342

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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1-14. (canceled)

15. (original) A method of switching an automatic transfer switch between first and second power sources comprising:

receiving a first control signal at a first timer in response to a below-threshold signal at a primary source;

initiating a first time delay at a first timer in response to said first control signal;

receiving a second control signal at a second timer from said controller;

initiating a second time delay at a second timer in response to said second control signal;

completing said first time delay;

completing said second time delay; and

transferring the electrical connection from the first power source to the second power source in response to said first and second time delays; wherein

said second time delay is nested within said first time delay.

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16. (original) The method of Claim 15, wherein:

said initiating a second time delay at a second timer, comprises;

initiating the beginning time of said second time delay in response to the end time of said first time delay.

17. (original) The method of Claim 15, wherein:

said receiving a first control signal at a first timer comprises receiving a first logic timing function at a controller; and wherein

said receiving a second control signal at a second timer comprises receiving a second logic timing function at a controller.

18-20. (canceled)

21. (new) An automatic transfer switch, comprising:

means for receiving a first control signal at a first timer in response to a below-threshold signal at a primary source;

means for initiating a first time delay at a first timer in response to said first control signal;

means for receiving a second control signal at a second timer from said controller;

means for initiating a second time delay at a second timer in response to said second control signal;

means for completing said first time delay;

means for completing said second time delay; and

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means for transferring the electrical connection from the first power source to the second power source in response to said first and second time delays; wherein

said second time delay is nested within said first time delay.

22. (new) The automatic transfer switch of Claim 21, wherein said means for initiating a second time delay at a second timer, comprises:

means for initiating the beginning time of said second time delay in response to the end time of said first time delay.

23. (new) The automatic transfer switch of Claim 21, wherein:

said means for receiving a first control signal at a first timer comprises means for receiving a first logic timing function at a controller; and

said means for receiving a second control signal at a second timer comprises means for receiving a second logic timing function at a controller.